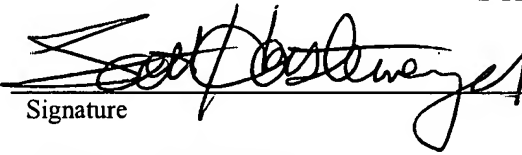


FORM PTO-1390 (Modified) (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>062020-1800</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (IF KNOWN) <div style="text-align: center; font-size: 1.2em; font-weight: bold;">10/518188</div>	
INTERNATIONAL APPLICATION NO. <b>PCT/US03/19290</b>		INTERNATIONAL FILING DATE <b>19 June 2003 (19.06.2003)</b>		PRIORITY DATE CLAIMED <b>19 June 2002 (19.06.2002)</b>	
TITLE OF INVENTION <b>ADSORBENTS, METHODS OF PREPARATION, AND METHODS OF USE THEREOF</b>					
APPLICANT(S) FOR DO/EO/US: <b>Mark G. White, Alexei V. Iretskii, Scott Jeffrey Weigel, Robert Ling Chiang, and Jeffrey Richard Brzozowski</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>					
<b>Items 11 to 20 below concern document(s) or information included:</b>					
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 1.54(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>Notification of Transmittal of IPER with Amended Specification and IPER with Amended Specification.</b></li> </ol>					

U.S. APPLICATION NO. (If known) <b>107518188</b>		INTERNATIONAL APPLICATION NO. PCT/US03/19290		ATTORNEY'S DOCKET NO.: <b>062020-1800</b>	
21. The following fees are submitted:				CALCULATIONS	PTO USE ONLY
<input checked="" type="checkbox"/> a) Basic national fee \$300.00				\$300.00	
<input checked="" type="checkbox"/> b) Examination fee \$200.00				\$200.00	
<input type="checkbox"/> c) Search Fee \$500.00				\$500.00	
TOTAL OF ABOVE CALCULATIONS = \$1000.00				\$1000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 pages (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.				\$00.00	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		X \$250.00	\$00.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	20 - 20 =	0	x \$50.00	\$00.00	
Independent claims	3 - 3 =	0	x \$200.00	\$00.00	
Multiple Dependent Claims (check if applicable).			\$360.00	\$00.00	
TOTAL OF ABOVE CALCULATIONS =				\$00.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$1000.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$00.00	
TOTAL NATIONAL FEE =				\$1000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property +				\$00.00	
TOTAL FEES ENCLOSED =				\$1000.00	
				Amount to be refunded	\$
				Amount to be charged	\$
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclose.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.					
d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Scott A. Horstemeyer Thomas, Kayden, Horstemeyer & RISLEY, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339  (770) 933-9500 (Phone) (770) 951-0933 (Fax)			 _____ Signature  Scott A. Horstemeyer Name  34,183 Registration Number  December 16, 2004 Date		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

In re: **White, et al.**

10/518188

Filing Date: December 16, 2004

DT01 Rec'd PCT/PTO 16 DEC 2004

Serial No.: TBA

For: **Adsorbents, Methods of Preparation, and Methods of Use Thereof**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop PCT (DO/EO/US)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

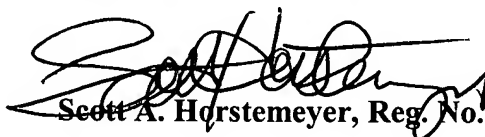
Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard  
Transmittal Letter to the US Designated Office  
(DO/EO/US) (2 Pages)  
Copy of Notification of Transmittal of IPER with Amended  
Specification and IPER with Amended Specification  
Preliminary Amendment  
Information Disclosure Statement  
Form PTO-1449  
Power of Attorney (5 Pages)  
Declaration of Inventorship (2 Pages)  
Credit Card Payment form in the Amount of \$1000.00

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

  
Scott A. Horstemeyer, Reg. No. 34,183

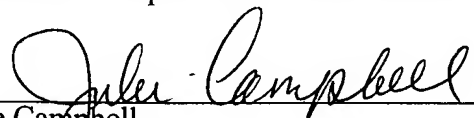
THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339  
(770) 933-9500

Docket No: **062020-1800**

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EV 505166990 US**.

Date: December 16, 2004

  
Julie Campbell